



## 12-84 VHF/UHF RELAY OUTPUT PAGING RECEIVER



Using the 12-84 Relay Receiver, devices can be controlled remotely by sending commands from a portable or fixed location paging transmitter or wide area paging network to switch relays on or off. It is available in two versions, a VHF 12-84-0150 and a UHF 12-84-0450.

The unit receives and decodes a numeric or alphanumeric pager call. If the received unit number matches the 12-84 unit number or group number, the relays are switched as commanded by the message.

The receiver is supplied with two clean contact relays rated at 1A 24V DC operation. LEDs indicate receiver operation and the relay(s) status.

Normally closed and normally open relay contacts are available and the relays can be individually programmed for latching or momentary operation.

The 12-84 is an economic solution for basic remote control applications where only one or two switched outputs are required.

Should a greater number of relays be required, this can be achieved using the Salcom 12-34 Relay Output Module which provides another four relays. This module can be "daisy chained" to allow any number of relays to be controlled.

Network paging messages can be monitored on a PC (using software such as Salcom's VisualPET paging software) using an optional cable to connect the computer to the 12-84 programming connector.



- Extremely sensitive receiver
- Synthesized frequency selection
- POCSAG message format
- 12 volt operation
- Individually programmable outputs
- RS232 serial output (optional cable) provides the ability to monitor network paging messages
- Ideal for remote switching applications - lights, pumps
- Capable of operation on normal POCSAG paging networks or in-house systems for remote operation applications
- Reverse polarity protected
- Led indication of correct receiver operation
- Relay resoration on power-up
- Rugged extruded aluminium case

Enclosure	135mm x 100mm x 30mm. extruded aluminium case.
Supply Voltage	10V to 17V, nominal 12V.
Current Drain	Standby 60mA plus 18mA per energized relay.
Relay Contacts	1 Amp @24VDC. (not suitable for 240VAC connection)
Temperature Limits	-10 to +50oC.
Environmental protection	Weather protection should be provided for outdoor use.
Frequency Range	148-161 Mhz (model 12-84-0150). 450-470 Mhz (model 12-84-0450). Synthesized.
Receiver sensitivity	Approximately -124dBm.
Aerial Connection	Supplied with BNC connector and antenna.
No of Capcodes	Up to 16 or decode any capcode.
Priority Decode	One of four levels.
Paging Protocol	POCSAG 512 or 1200 baud, auto selected
Message Type	POCSAG numeric, alphanumeric, inverted or normal.

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